Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

ESPRIMO™ Edition P Series Professional PC at a reasonable price

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Fujitsu Siemens Computers presents its basic cost-effective professional PC. The Value Line ESPRIMO Edition – a basic professional PC is aimed towards the price-conscious professional buyer.

The Intel based ESPRIMO Edition P2510 and the AMD based ESPRIMO Edition P2410 are professional PC for all office applications.

- High performance with ATI / Nvidia chipset
- Wide range of processor performance up to Intel Pentium D and AMD Athlon 64 X2
- Direct X9 onboard graphics to support Microsoft Windows VISTA
- High quality and function stability
- Reduce downtime with service-friendly cabinet and easy component access
- Convenient front access to USB
- Excellent performance with Serial ATA 2 (3GBit) hard disk drives and Serial ATA optical drives

Windows Vista Business

	P2410			P2510					
Mainboard									
Chipset	NVIDIA C51PV			ATI Radeon® Xpress 1100					
Mainboard Number	D2560			D2480					
Mainboard form factor	µBTX			µBTX					
Processor socket	Socket AM2			LGA 775					
Front side bus resp. system bus support	2000 MHz			800 MHz					
BIOS version	Phoenix			Phoenix					
Flash EPROM BIOS update by software	x			x					
Recovery BIOS	x			x					
Processor	*depending on configuration			*depending on configuration					
Intel	**-**	**-**	**-**	**Celeron D352* (=3,2GHz)**	**Celeron D356* (=3,33GHz)**	**P4 HT 541 (=3,2GHz)***	**P4 HT 631 (=3,0GHz) ***	**Pentium D820 (=2,8GHz) ***	**Pentium D925 (=3,0GHz) ***
Second level cache	-	-	-	512 KB	512 KB	1 MB	2 MB	2x1 MB	2x2 MB
Front side bus (FSB)	-	-	-	533 MHz	533 MHz	800MHz	800MHz	800MHz	800MHz
AMD	**Athlon 64 3500+***	**Athlon 64 x2 3800+***	**Athlon 64 x2 4400+***	**-**	**-**	**-**	**-**	**-**	**-**
Second level cache	512 KB	2x512 KB	2x512 KB	-	-	-	-	-	-
System Bus Support	2000 MHz	2000 MHz	2000 MHz	-	-	-	-	-	-
Memory	*depending on configuration			*depending on configuration					
Memory	256 MB / 512MB / 1GB*			256 MB / 512MB / 1 GB*					
DIMM slots	2			2					
Max. capacity	2GB; 4GB with future memory modules			2GB; 4GB with future memory modules (thereof, max. 3.0GB usable for physical main memory)					
Interfaces									
Mouse/keyboard (PS2)	-/-			-/-					
Serial (9pi, 16 byte FIFO, 16550 compatible)	x			x					
Second serial port	-			-					
Parallel (25pin with EPP and ECP)	-			-					
Display (15 pin, VGA)	x			x					
Display (DVI)	-			-					
Micro (mono) rear	x			x					
Line in (stereo) rear	x			x					
Line out (stereo) rear	x			x					
Micro (mono) front	-			-					
Headphone in front	-			-					
LAN RJ45	x			x					
Universal Serial Bus (USB 2.0) in total	8			8					
therefore									
USB rear	4			6					
USB front	2			2					
USB internal	2			-					
LAN on board									
10/100/MB/s	-			Realtek RTL 8100C					
10/100/1000MB/s	NVIDIA C51PV			-					
PXE	x			x					
BootP	-			-					
Audio on board									
AC97	-			-					
High definition audio	Realtek ALC 260			Realtek ALC 260					
I/O controller onboard									
Fast IDE/Ultra DMA-100 bus master capability	-			-					
Serial ATA	3			3					
Raid 1/0	-			-					
Drive bays									
internal 3,5''	1			1					
external 3,5''	1			1					
external 5,25''	2			2					
Floppy disk drive 1.44 MB standard	-			-					
Hard disk drives	*depending on configuration			*depending on configuration					
Ultra DMA 100	-			-					
Serial ATA	80 / 160GB (SATA II) *			80 / 160GB (SATA II) *					
Optical drives	*depending on configuration			*depending on configuration					
ATAPI	16/48-speed ATAPI DVD / CDRW/DVD Combo drive / DVD Writer *			16/48-speed ATAPI DVD / CDRW/DVD Combo drive / DVD Writer *					
Slots									
PCI	2 x (full height)			2 x (full height)					
AGP 8x	-			-					
PCI Express 16x	-			-					
Graphic on board									
Shared memory	up to 256MB			up to 256MB					
Resolution (color depth up to 32 Bit/pixel)									
1024 x 768 (recommended / max*)	120 / 200 Hz			85 / 120 Hz					
1280 x 1024	100 / 150 Hz			85 / 120 Hz					

(recommended / max*)		
1600 x 1200 (recommended / max*)	85 / 100 Hz	85 / 100 Hz
1440 x 900 widescreen TFT (VGA / DVI)	x/x	x/x
1680 x 1050 widescreen TFT (VGA / DVI)	x/x	x/x
1920 x 1200 widescreen TFT (VGA / DVI)	x/x	x/x
* refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to use 60Hz.		
Electrical values		
Rated voltage	200 - 240 V	200 - 240 V
Rated frequency	50-60 Hz	50-60 Hz
Max. output of power supply	300 W	300 W
Monitor outlet	-	-
Power consumption for standard configuration (W)		
Peak (running app. CD in use)	109	128
Average (running OS, Idle mode)	50	59
Minimum (ACPI status S5, soft off)	4	4
Ambient temperature (IEC 721)	15°C - 35°C	15°C - 35°C
Dimensions (H x W x D)	390 x 203 x 392 mm	390 x 203 x 392 mm
Operating position (vertical/horizontal)	x / -	x / -
Weight (depending on config)	approx. 11 kg	approx. 11 kg
Approvals and standards		
CE certification according to EU Directives 89/336/EEC (EMC) and 06/95/EC (Product safety)	x	x
Ergonomics ISO9241 (GS mark)	x	x
Product safety IEC60950, EN60950,	x	x
Electromagn. compatibility EN55022/B, EN55024, EN61000-3-2/3	x	x
Environmental compatibility		
Energy Star	x	x
Blue Angel	-	-
Nordic Swan	-	-
Software (compatibility / preinstalled)	*depending on configuration	*depending on configuration
Microsoft Windows XP Home	x / x*	x / x*
Microsoft Windows XP Professional	x / x*	x / x*
Microsoft Windows Vista™ capable (min. 512MB RAM necessary)	x	x
Microsoft Windows Vista™ Premium Ready (min. 1GB RAM / DVD reader necessary)	x	-
Linux (Open Source, unsupported)	x / bundled (FEDORA DVD)*	x / bundled (Knoppix DVD)*
Additional Software		
Drivers and Utility DVD (DU-DVD)	included	included
Norton Internet Security (NIC)	included	included
Others		
Spare part availability	3 years	3 years
Compatibility (references)		
Microsoft Operating Systems (HCT / HCL entry)	x	x
Manageability		
DeskView 10.x client management (remote and local), including:	-	-
Detailed remote system inventory	-	-

Remote BIOS Management	-	-
Notifications for system surveillance	-	-
Advanced alerts (ASF implementation)	-	-
Remote power management	-	-
DeskUpdate Driver management	-	-
PXE 2.0 Boot code	x	x
BootP Boot Code including Bootmanage Administrator Software	-	-
Wake up from S5 (off mode)	x	x
Intrusion switch	-	-
Security		
Security functions implemented in the cabinet: Prepared for Kensington lock/eye for padlock/seal option	x/x/-	x/x/-
Integrated cabinet lock	-	-
Access protection via external SmartCard reader	-	-
Access protection via internal SmartCard reader	-	-
Fujitsu Siemens Computers MEMORYBIRD Security	-	-
Embedded security (TPM1.1)	-	-
System Lock	-	-
Security function implemented in the BIOS, including:		
Write protect option for the Flash EPROM	-	-
Passwords for system and setup	x	x
Password for hard disk	-	-
Control of external interfaces	x	x
Control of all USB interfaces / external USB interfaces detachable separately	x / -	x / -
Boot protection for floppy disk/CD drive and write protection for floppy disk drive	-	-
Virus protection in BIOS	-	-
Serviceability		
FlexySlot	-	-
EasyFix	-	-
EasyChange (for HDD / for optical drives)	- / -	- / -
EasyPull	-	-

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